

TABLE 75. Black, non-Hispanic U.S. citizen and permanent resident graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field and sex: 2004–08

Field	Male						Female					
	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008
All institutions	11,157	11,118	11,450	11,660	11,910	12,452	21,339	22,429	23,416	23,274	24,013	24,595
Science and engineering	9,777	9,625	9,780	10,194	10,475	10,974	14,847	15,623	15,884	16,371	17,162	17,706
Science	7,507	7,255	7,337	7,721	7,954	8,271	13,718	14,523	14,755	15,160	15,908	16,423
Agricultural sciences	153	172	152	148	152	181	241	245	301	283	282	289
Biological sciences	869	928	948	1,042	1,049	1,093	2,033	2,063	2,123	2,261	2,271	2,301
Communication <sup>a</sup>	ne	ne	ne	ne	141	208	ne	ne	ne	ne	375	436
Computer sciences	1,091	1,047	1,052	1,161	1,139	1,181	708	714	722	704	695	708
Earth, atmospheric, and ocean sciences	120	110	118	124	121	140	141	152	145	155	151	161
Family and consumer science/ human science <sup>a</sup>	ne	ne	ne	ne	50	52	ne	ne	ne	ne	272	345
Mathematical sciences	364	369	364	380	379	370	332	351	347	331	329	311
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	ne	101	124	ne	ne	ne	ne	219	264
Neuroscience <sup>a</sup>	na	na	na	na	26	31	na	na	na	na	35	36
Physical sciences	540	524	503	483	482	518	453	482	506	501	498	491
Psychology	1,238	947	925	942	935	1,017	3,752	4,291	4,164	4,198	4,165	4,341
Social sciences	3,132	3,158	3,275	3,441	3,379	3,356	6,058	6,225	6,447	6,727	6,616	6,740
Engineering	2,270	2,370	2,443	2,473	2,521	2,703	1,129	1,100	1,129	1,211	1,254	1,283
Health <sup>a</sup>	1,380	1,493	1,670	1,466	1,435	1,478	6,492	6,806	7,532	6,903	6,851	6,889
Historically black colleges and universities	1,637	1,777	1,830	1,532	1,558	1,477	3,434	3,560	3,453	2,949	3,057	3,001
Science and engineering	1,430	1,504	1,539	1,397	1,422	1,360	2,646	2,713	2,564	2,311	2,411	2,372
Science	1,194	1,230	1,240	1,117	1,114	1,040	2,494	2,593	2,429	2,169	2,247	2,182
Agricultural sciences	68	76	61	54	54	79	102	109	157	142	142	158
Biological sciences	170	173	155	147	151	156	398	366	338	328	336	341
Communication <sup>a</sup>	ne	ne	ne	ne	17	25	ne	ne	ne	ne	48	49
Computer sciences	126	111	107	92	92	83	82	82	74	69	68	68
Earth, atmospheric, and ocean sciences	30	27	29	23	23	20	27	30	35	26	26	41
Family and consumer science/ human science <sup>a</sup>	ne	ne	ne	ne	7	6	ne	ne	ne	ne	57	66
Mathematical sciences	55	60	63	66	66	50	45	65	72	60	60	53
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	ne	7	8	ne	ne	ne	ne	12	10
Neuroscience <sup>a</sup>	na	na	na	na	0	0	na	na	na	na	0	0
Physical sciences	107	116	133	101	101	109	98	110	116	109	109	101
Psychology	142	142	132	104	104	92	740	770	613	472	472	375
Social sciences	496	525	560	530	492	412	1,002	1,061	1,024	963	917	920
Engineering	236	274	299	280	308	320	152	120	135	142	164	190
Health <sup>a</sup>	207	273	291	135	136	117	788	847	889	638	646	629
Percentage in HBCUs	14.7	16.0	16.0	13.1	13.1	11.9	16.1	15.9	14.7	12.7	12.7	12.2
Science and engineering	14.6	15.6	15.7	13.7	13.6	12.4	17.8	17.4	16.1	14.1	14.0	13.4
Science	15.9	17.0	16.9	14.5	14.0	12.6	18.2	17.9	16.5	14.3	14.1	13.3
Agricultural sciences	44.4	44.2	40.1	36.5	35.5	43.6	42.3	44.5	52.2	50.2	50.4	54.7
Biological sciences	19.6	18.6	16.4	14.1	14.4	14.3	19.6	17.7	15.9	14.5	14.8	14.8
Communication <sup>a</sup>	ne	ne	ne	ne	12.1	12.0	ne	ne	ne	ne	12.8	11.2
Computer sciences	11.5	10.6	10.2	7.9	8.1	7.0	11.6	11.5	10.2	9.8	9.8	9.6
Earth, atmospheric, and ocean sciences	25.0	24.5	24.6	18.5	19.0	14.3	19.1	19.7	24.1	16.8	17.2	25.5
Family and consumer science/ human science <sup>a</sup>	ne	ne	ne	ne	14.0	11.5	ne	ne	ne	ne	21.0	19.1
Mathematical sciences	15.1	16.3	17.3	17.4	17.4	13.5	13.6	18.5	20.7	18.1	18.2	17.0
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	ne	6.9	6.5	ne	ne	ne	ne	5.5	3.8
Neuroscience <sup>a</sup>	na	na	na	na	0.0	0.0	na	na	na	na	0.0	0.0
Physical sciences	19.8	22.1	26.4	20.9	21.0	21.0	21.6	22.8	22.9	21.8	21.9	20.6

TABLE 75. Black, non-Hispanic U.S. citizen and permanent resident graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field and sex: 2004–08

Field	Male						Female					
	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008
Psychology	11.5	15.0	14.3	11.0	11.1	9.0	19.7	17.9	14.7	11.2	11.3	8.6
Social sciences	15.8	16.6	17.1	15.4	14.6	12.3	16.5	17.0	15.9	14.3	13.9	13.6
Engineering	10.4	11.6	12.2	11.3	12.2	11.8	13.5	10.9	12.0	11.7	13.1	14.8
Health <sup>a</sup>	15.0	18.3	17.4	9.2	9.5	7.9	12.1	12.4	11.8	9.2	9.4	9.1

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field prior to 2007.

HBCUs = historically black colleges and universities.

<sup>a</sup> In 2007, GSS-eligible fields were reclassified, newly eligible fields were added, and survey was redesigned to improve coverage and coding of GSS-eligible units. "2007new" presents data as collected in 2007; "2007old" reflects data as they would have been collected under 2006 methodology. Science fields "communication" and "family and consumer science/human science" are newly eligible. Data for these two fields are only in 2007new. Science field "multidisciplinary/interdisciplinary studies" is also newly eligible; these data may have been reported under other fields before 2007. "Neuroscience" is reported as a separate field of science in 2007new; these data were reported under health field "neurology" in 2007old and previous years. See appendix A, "Technical Notes," for more detail.

SOURCE: National Science Foundation/Division of Science Resources Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering.